

E A R S D O N
U R B A N D I S T R I C T C O U N C I L.

R E P O R T S

OF

T A Y L O R D I X O N , M . B . B . S . ,

M E D I C A L O F F I C E R O F H E A L T H ,

A N D

J . R . M A C M I L L E N ,

I N S P E C T O R O F N U I S A N C E S .

1 9 0 9 .

Newcastle-on-Tyne :
TYNE PRINTING WORKS LIMITED, THE SIDE.

1910.



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EARSDON,

January, 1910.

TO THE CHAIRMAN AND MEMBERS
OF THE
Earsdon Urban District Council.

GENTLEMEN,

I beg to forward you my Report for the Twelve Months ending December 31st, 1909.

POPULATION.

The population of the District, according to the census of 1901, was 9,020, and estimated to the middle of the year 1909 was 10,500.

AREA.

The total area of the District is 4,711 acres.

BIRTHS.

Four hundred births have been registered, an increase of eight upon that of last year. Earsdon Township, 159; Backworth Township, 62; Holywell Township, 111; Murton Township, 68.

These births give a birth rate of 38·09 per thousand per annum

In 1908 the birth rate was 38·43 per thousand per annum.

DEATHS.

The number of deaths, after deducting those of non-residents who have died in the District, and adding those of residents who have died outside the District, is 138, and gives a death rate of 13·14 per thousand per annum.

In 1908 the death rate was 19·1 per thousand per annum.

The following Table shows the number of deaths of residents which have occurred in each Township during each quarter of the year, also ages at which the deaths took place.

TOWNSHIPS.	First Qr.	Second Qr.	Third Qr.	Fourth Qr.	TOTAL.	Under 1 Year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.	DEATHS. (Under 5 Years 19 { Over 5 Years 24 (Under 5 Years 5 { Over 5 Years 18 (Under 5 Years 16 { Over 5 Years 32 (Under 5 Years 12 { Over 5 Years 11
Earsdon ...	10	11	6	16	43	14	5	1	3	13	7	{ Under 5 Years 19 { Over 5 Years 24
Backworth ...	2	8	8	5	23	4	1	...	1	10	7	{ Under 5 Years 5 { Over 5 Years 18
Holywell ...	7	18	9	14	48	15	1	2	2	14	14	{ Under 5 Years 16 { Over 5 Years 32
Murton ...	4	5	6	8	23	10	2	...	1	9	1	{ Under 5 Years 12 { Over 5 Years 11
Whole District	23	42	29	43	137	43	9	3	7	46	29	137

ZYMOTIC DEATH RATE.

There have been 14 deaths from Zymotic Disease, which gives a death rate of 1·3 per thousand per annum.

In 1908 the rate was 4 per thousand per annum.

Of these deaths, 7 occurred in Earsdon Township.

„	„	3	„	Backworth	„
„	„	2	„	Holywell	„
„	„	2	„	Murton	„

Seven were under one year, three between one and five, one between five and fifteen, and three between twenty-five and sixty-five years of age.

PHTHISIS DEATH RATE.

There have been Fourteen deaths from Phthisis during the year, which gives a death rate of 1·3 per thousand per annum, a slight increase upon that of last year.

Following are Tables of Statistics, and Table showing the causes of, and ages at which the deaths took place.

Table I.—**EARS DON URBAN DISTRICT.**—Vital Statistics of whole district during 1909 and previous years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITU- TIONS IN THE DISTRICT.	Deaths of Non- Residents registered in Public Institu- tions in the District. 10	Deaths of Residents registered in Public Institu- tions beyond the District. 11	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.					
		Number. 3	Rate * 4	Under 1 Year of Age. Number. 5	Rate per 1,000 Births Registered. 6	At all Ages.		Number. 7				Rate.* 8	9	10	11	Number. 12	Rate.* 13
1899	8834	286	32.37	70	244	155	17.54	9	1	1	1	167	18.0				
1900	9049	322	35.58	52	161	139	18.6	9	1	...	...	177	18.82				
1901	9020	356	39.46	67	188	174	19.73	9	1	1	4	162	16.99				
1902	9175	388	36.73	51	150	144	15.68	9	3	1	3	162	16.6				
1903	9275	374	40.32	75	200	167	18.0	9	3	1	3	156	15.6				
1904	9400	373	39.57	76	203	177	18.82	9	3	2	1	195	19.1				
1905	9530	342	35.88	62	181	159	16.68										
1906	9730	377	38.74	56	148	165	16.93										
1907	10000	334	33.4	44	131	154	15.4										
1908	10200	392	38.43	89	227	194	19.01										
Averages for years 1899-1908.	9421	354	37.04	64	183	162	17.63	4									
1909	10500	400	38.09	43	107	139	13.23	4	2	1		138	13.14				

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10, and the addition of the number in Column 11.

By the term “Non-residents” is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term “Residents” is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The “Public Institutions” to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the Table opposite.

Area of District in acres (exclusive of area covered by water) 4,711.

Total population at all ages, 9,020; number of inhabited houses, 1,824; average number of persons per house, 4.94 (at Census of 1901).

I. Institutions within the District receiving sick and infirm persons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III. Other Institutions, the deaths in which have been distributed among the several localities in the District.
Grange Hospital.	Tynemouth Workhouse. Scaffold Hill Hospital.	
	Is the Union Workhouse within the District ?	No.

Table II —EARS DON URBAN DISTRICT.—Vital Statistics of separate localities in 1909, and previous years.

NAMES OF LOCALITIES.	EARS DON.				BACKWORTH.				HOLYWELL.				MURTON.			
	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year
1899	2425	98	68	30	2387	55	23	8	3222	106	50	24	800	27	14	8
1900	2550	117	48	20	2397	50	30	7	3252	109	46	19	850	46	15	6
1901	2898	130	60	27	2168	67	33	6	3085	122	62	20	869	37	23	14
1902	2926	125	43	15	2168	53	26	3	3111	120	48	24	970	40	27	9
1903	2976	142	69	34	2168	55	28	8	3163	107	43	23	995	70	27	10
1904	3032	143	48	25	2168	45	37	9	3200	132	54	24	1000	53	38	18
1905	3077	139	62	27	2178	48	20	6	3260	100	51	13	1015	55	29	16
1906	3150	137	65	23	2187	56	37	12	3373	123	34	12	1020	61	26	9
1907	3320	121	44	13	2200	47	30	4	3440	107	46	15	1040	59	33	12
1908	3470	140	71	46	2200	53	30	7	3490	121	60	21	1040	78	34	15
Averages of Yrs. } 1899 to 1908 }	2982	129	57	26	2222	52	29	7	3259	114	49	19	959	52	26	11
1909	3630	159	43	14	2290	62	23	4	3540	111	48	15	1040	68	24	10

- NOTES.—(A.) The separate localities adopted for this Table should be areas of which the populations are obtainable from the census returns, such as wards, parishes or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district; and blocks 2, 3, &c., for the several localities. In small districts without recognised divisions of known population this Table need not be filled up.
- (B.) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns (C.) of this Table, and those of non-residents registered in public institutions in the district excluded. (See note on Table 1. as to meaning of terms “resident” and “non-resident.”)
- (C.) Deaths of residents occurring in public institutions, whether within or without the district, are to be allotted to the respective localities according to the addresses of the deceased.
- (D.) Care should be taken that the gross totals of the several columns in this Table respectively equal the corresponding totals for the whole districts in Tables 1. and IV.; thus, the totals of sub-columns A, B, and C should agree with the figures for the year in the columns 2, 3, and 12 respectively of Table I.; the gross total of the sub-columns C should agree with the total of column 2 in Table IV., and the gross total of sub-columns D with the total of column 3 in Table IV.

Table IV.—EARS DON URBAN DISTRICT.—Causes of, and Ages at, Death during the year 1909.

CAUSES OF DEATH.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.								Deaths at all ages of "Residents" belonging to localities, whether occurring in or beyond the District.				Total deaths whether of "Residents" or "non-Residents" in Public Institutions in the District. 13
	All Ages. 2	Under 1 year. 3	1 and under 5. 4	5 and under 15. 5	15 and under 25. 6	25 and under 65. 7	65 and upwards. 8	Earsdon 9	Backworth. 10	Holywell. 11	Murton. 12		
Measles	3	...	3	...	...	...	...	3	...	...	...	3	
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	
Whooping Cough	1	...	...	1	...	...	...	...	...	1	...	1	
Diphtheria and Membranous Croup	...	...	...	...	...	...	...	...	...	...	...	...	
Fever { Typhus	...	...	...	...	...	...	...	...	...	...	...	...	
{ Enteric	...	...	...	...	...	...	...	...	...	...	...	...	
{ Other continued	...	...	...	...	...	...	...	...	...	...	...	...	
Epidemic Influenza	1	...	...	...	...	1	...	...	...	...	1	...	
Diarrhoea (see notes at back)	7	7	...	...	...	...	...	2	2	1	2	...	
Enteritis (see notes at back)	3	3	...	...	...	3	...	2	1	3	...	...	
Puerperal Fever (see notes at back)	3	...	...	...	...	...	...	...	...	...	...	...	
Erysipelas	1	1	...	...	...	...	...	...	...	...	1	...	
Other septic diseases	...	...	...	...	...	...	...	...	...	...	...	...	
Phthisis (Pulmonary Tuberculosis)	14	...	...	...	3	9	2	5	3	4	2	...	
Other Tubercular diseases	4	3	...	...	1	3	1	1	1	4	...	...	
Cancer, Malignant disease (see notes)	4	...	...	...	...	5	...	2	2	2	2	...	
Bronchitis	7	2	...	...	...	...	1	2	...	3	1	...	
Pneumonia	6	2	3	...	...	...	...	2	...	1	...	...	
Pleurisy	1	...	...	...	...	...	...	...	...	1	...	...	
Other diseases of Respiratory organs	...	...	...	...	...	...	...	...	...	...	1	...	
Alcoholism—Cirrhosis of Liver	1	...	...	...	...	1	...	...	...	...	...	...	
Venereal diseases... ..	...	...	...	...	...	...	...	4	...	5	...	...	
Premature birth	9	9	...	...	...	...	...	...	...	1	...	...	
Diseases and Accidents of Parturition	1	...	...	...	...	1	4	5	3	1	3	...	
Heart Diseases	16	...	...	1	3	8	2	5	1	4	...	...	
Accidents	6	...	...	1	...	3	...	1	1	4	...	...	
Suicides	...	...	...	...	...	...	...	...	...	1	...	...	
Apoplexy	2	...	...	...	...	1	1	1	...	...	...	...	
Convulsions	9	8	1	...	...	...	...	4	1	2	4	...	
Debility from Birth	6	6	...	...	...	1	18	2	5	6	2	...	
Senile Decay	19	...	...	...	...	...	...	6	...	...	...	...	
Marasmus	...	...	...	...	...	...	...	...	...	...	...	...	
All other causes	14	2	2	...	...	9	1	3	3	4	4	...	
All causes	138	43	9	3	7	46	30	43	23	48	24	4	

See Notes on following page.

Notes to Tables IV. and V.

- (a) In Table IV., all deaths of "Residents" occurring in public institutions, whether within or without the district, are to be *included* with the other deaths in the columns for the several age groups (columns 2-8). They are also, in columns 9-15, to be *included* among the deaths in their respective "Localities" according to the previous addresses of the deceased as given by the Registrars. Deaths of "Non-residents" occurring in public institutions in the district are in like manner to be *excluded* from columns 2-8 and 9-15 of Table IV.
- (b) See notes on Table I. as to the meaning of "Residents" and "Non-residents," and as to the "Public Institutions" to be taken into account for the purposes of these Tables. The "Localities" in Table IV, should be the same as those in Tables II. and III.
- (c) All deaths occurring in public institutions situated within the district, whether of "Residents" or of "Non-residents," are, in addition to being dealt with as in note (a), to be entered in the last column of Table IV. The total number in this column should equal the figures for the year in column 9, Table I.
- (d) The total deaths in the several "Localities" in columns 9-15 of Table IV. should equal those for the year in the same localities in Table II., sub-columns (c). The total deaths at all ages in column 2 of Table IV. should equal the gross total of columns 9-15, and the figures for the year in column 12 of Table I.
- (e) Under the heading of "Diarrhœa" are to be included deaths registered as due to Epidemic Diarrhœa, Epidemic Enteritis, Infective Enteritis, Zymotic Enteritis, Summer Diarrhœa, Dysentery and Dysenteric Diarrhœa, Choleraic Diarrhœa, Cholera, Cholera Nostras.
Deaths from Diarrhœa secondary to some other well-defined disease should be included under the latter.
Deaths from Enteritis; Muco-enteritis, Gastro-enteritis, and Gastritis (see under the heading Diarrhœal Diseases in Table V.) in Tables IV. and V. should be placed immediately below, but separately from, those enumerated under the heading Diarrhœa as defined by enumeration above. This is particularly important for deaths under one year of age, as many of the deaths in infancy returned as due to Enteritis are really caused by Epidemic Diarrhœa. In the course of years, by the adoption of this recommendation, it will be practicable to ascertain the probable amount of transfer between these different headings.
- (f) Under the headings of "Cancer" and "Puerperal Fever" should be included all registered deaths from causes comprised within these general terms. Thus: Under "Cancer" should be included deaths from Cancer, Carcinoma, Malignant Disease, Scirrhus, Epithelioma, Sarcoma, Villous Tumour, and Papilloma of Bladder, Rodent Ulcer. Under "Puerperal Fever" are to be included deaths from Pyæmia, Septicæmia, Sapræmia, Pelvic Peritonitis, Peri- and Endo-Metritis occurring in the Puerperium.
- (g) Under "Congenital Defects" in Table V. are to be included deaths from Atelectasis, Icterus Neonatorum, Navel Hæmorrhage, Malformations, and Congenital Hydrocephalus.
- (h) Under "Tuberculous Meningitis" are to be included deaths from Acute Hydrocephalus.
- (i) Under "Other Tuberculous Diseases" are to be included deaths from Tuberculosis, Tuberculosis of Bones, Joints, and other Organs, Lupus and Scrofula.
- (j) All deaths certified by registered Medical Practitioners and all Inquest cases are to be classed as "Certified;" all other deaths are to be regarded as "Uncertified."

In recording the facts under the various headings of Tables I., II., III., IV., and V., attention has been given to the notes on the Tables.

January, 1910.

TAYLOR DIXON, Medical Officer of Health.

INFANT MORTALITY.

There have been 43 deaths of children under one year, which gives a mortality rate of 107 per 1000 births, a decrease of 120 from the rate of last year.

Of these deaths, 14 have occurred in Earsdon Township, which gives a mortality rate of 88 per 1000 births; 4 occurred in Backworth Township, which gives a mortality rate of 64·5 per 1000 births; 15 occurred in Holywell Township, which gives a mortality rate of 135 per 1000 births; and 10 occurred in Murton Township, which gives a mortality rate of 147 per 1000 births.

The decrease in the rate is very satisfactory, and is particularly marked in the Earsdon Township.

I am glad to point out that this year there has been the largest number of births, and the smallest number of infant deaths that has occurred since the formation of the Urban District.

Table V.—EARS DON URBAN DISTRICT.—Infantile Mortality during the Year 1909.

Deaths from stated Causes in Weeks and Months under One Year of Age.

* See Notes at back of Table IV.

CAUSE OF DEATH.			Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.	
All Causes	{	Certified ...	11	2	1	...	14	5	4	1	4	2	2	4	3	2	1	1	43	
		Uncertified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Common Infectious Diseases—</i>																				
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Diphtheria—Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>* Diarrhoeal Diseases—</i>																				
Diarrhoea, all forms	...	...	...	...	...	...	...	...	1	...	...	2	2	...	...	1	...	1	7	
Enteritis, Mucous & Gastro-enteritis	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	3	
Gastritis, Gastro-intestinal Catarrh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Wasting Diseases—</i>																				
Premature Birth	...	...	7	1	...	...	8	...	1	...	...	...	...	...	...	...	...	...	9	
* Congenital Defects	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	
Injury at Birth	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Want of Breast Milk, Starvation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Atrophy, Debility, Marasmus	...	...	3	1	1	...	5	2	...	...	...	...	...	...	...	...	...	...	7	
<i>Tuberculous Diseases—</i>																				
* Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...	...	3	
Erysipelas	...	...	...	...	...	...	...	...	...	...	2	...	...	2	...	...	...	...	1	
Convulsions	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	8	
Bronchitis	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	2	
Pneumonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	
Suffocation, overlaying	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Other causes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Totals.			11	2	1	...	14	5	4	1	4	2	2	4	3	2	1	1	43	

District (or sub-division) of Earsdon.

Population (estimated to middle of 1909) 10,500.

Births in the year : Legitimate, 387 ;

Illegitimate, 13. Deaths in the year : Legitimate, 1. Deaths from all causes at all ages, 43

INFECTIOUS DISEASES.

There have been 69 cases of Infectious Diseases during the year, a decrease of 57 from that of last year.

The diseases notified were Scarlet Fever, Enteric Fever, Puerperal Fever, Diphtheria and Erysipelas, which have occurred at the places and in the months indicated below.

SCARLET FEVER.

Forty-two cases have occurred, representing an attack rate of 4 per 1000 per annum.

EARSDON TOWNSHIP.—Fifteen cases; 1 in February, 1 in June, 3 in November, and 10 in December.

BACKWORTH TOWNSHIP.—Two cases in April.

HOLYWELL TOWNSHIP.—Twenty-four cases; 1 in January, 1 in March, 2 in September, 2 in October, 10 in November, and 8 in December.

MURTON TOWNSHIP.—One case in June.

The disease was chiefly prevalent in the Earsdon and Holywell Townships, and as many children from both places attend the Earsdon School, it was found necessary to close it.

There have been three deaths from this disease. The use of the Isolation Hospital was offered in each case, and eleven cases were treated there.

ENTERIC FEVER.

MURTON TOWNSHIP.—One case occurred in June in Murton Township. It was removed to the Isolation Hospital.

PUERPERAL FEVER.

Three cases of this fever have occurred.

EARSDON TOWNSHIP.—Two cases; 1 in February, and 1 in March.

BACKWORTH TOWNSHIP.—One case in April.

DIPHTHERIA.

There have been 11 cases of Diphtheria.

EARSDON TOWNSHIP.—Seven cases; 2 in January, 1 in February, 2 in March, 1 in May, and 1 in November.

HOLYWELL TOWNSHIP.—Three cases; 1 in January, 1 in February, and 1 in September.

MURTON TOWNSHIP.—One case in September.

These cases were a continuation of the epidemic of last year. They were mostly of a mild type. One fatal case occurred. Seven cases were removed to the Isolation Hospital.

ERYSIPELAS.

There have been twelve cases of Erysipelas.

EARSDON TOWNSHIP.—One case in January.

BACKWORTH TOWNSHIP.—Four cases; 1 in January, 1 in March, 1 in May, and 1 in September.

HOLYWELL TOWNSHIP.—Three cases; 1 in January, 1 in September, and 1 in November.

MURTON TOWNSHIP.—Four cases; 1 in January, 1 in February, 1 in May, and 1 in October.

Mumps and Chicken-pox were very prevalent towards the end of the year, especially in the Murton Township, where it was necessary to close the school.

Table III.—EARSDON URBAN DISTRICT—Cases of Infectious Disease notified during the year 1909.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.							** No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.								
	At all Ages.	At Ages†—Years.					Earsdon.	Backworth.	Holywell.	Murton.	5	6	7	1	2	3	4	5	6	7	8	
		Under 1																				
			1 to 5.	5 to 15.	15 to 25.	25 to 65																65 and upwards
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diphtheria (Membranous Croup)..	11	..	..	10	1	..	7	..	3	1	..	..	..	4	..	2	1	..	..	..	7	
Erysipelas	12	1	..	..	..	10	1	4	3	4	..	..	..	..	..	..	..	..	..	..	11	
Scarlet Fever	42	..	18	24	..	..	15	2	24	1	..	..	..	..	..	..	..	..	..	..	..	
Typhus Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Enteric Fever	1	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	1	
Relapsing Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Continued Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Puerperal Fever	3	..	..	..	..	3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	
Plague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Anthrax	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Totals...	69	1	19	34	2	13	25	7	30	7	7	25	7	30	7	5	3	..	..	..	19	

NOTES.—The localities adopted for this Table should be the same as those in Tables II. and IV.

State in space below the name of the Isolation Hospital, if any, to which residents in the district, suffering from infectious disease, are usually sent. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. The name of the authority by whom the hospital is provided should also be given. Mark (W) the locality in which a workhouse is situated.

* This space may be used for record of other disease the notification (compulsory or voluntary) of which is in force in the district.

† These age columns for notification should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

* * Column 8 should be filled up with the Totals of cases removed to Hospital, whether the District is divided into separate localities, or is treated as one undivided area.

Isolation Hospitals—Grange Hospital, Earsdon Township. Scaffold Hill Hospital, Benton Township.
Earsdon Joint Hospital Board.

Total available beds—58. Number of diseases that can be concurrently treated—4 wards.

WATER SUPPLY.

The district is supplied with water from the Newcastle and Gateshead Water Company. It is of good quality, and the supply has been constant.

With the few exceptions at Holywell Village, where they still carry it from the well as previously reported, the whole district is supplied from the above source.

The total consumption for domestic purposes has been 31,592,000 gallons, an increase of 4,035,000 gallons on that of last year.

The average consumption per head per day has been 8·2 gallons, as against 7·4 gallons last year.

The water mains have been extended to the new houses erected in the district.

LIGHTING.

The main roads in Murton Township are lighted by gas, and in the other Townships by electricity. Most of the houses are supplied with gas, except those of East Holywell and Bates Cottages.

HOUSING OF THE WORKING CLASSES.

The most of the people in the district are employed in Coal Mining. Many of them live in houses provided by the Coal Companies, and others in houses rented from private owners.

I have made special inspections of the property and found a large amount of it defective, both in colliery and private houses, and a good deal of overcrowding, details of which I have given you in the special reports I have supplied.

Some of the houses reported have been greatly improved, especially where back to back houses, without through ventilation, have been converted into one house, but as yet, nothing has been done to improve the condition of a number of the houses reported.

The condition of the streets in many parts of the district was very bad, but great improvements have been made.

The back streets at North View and South View, Shiremoor, and the approach to them, have been taken up and properly relaid by the Backworth Coal Company, and are now in good order.

The back street between Duke Street and Percy Street, Shiremoor, has been relaid by the Backworth Coal Company, and an earth closet for each house substituted in the place of the large insanitary privy ashpits which were previously ranged down the middle of the street. The approach to these streets is still in a bad condition.

The back streets at Earsdon Road, Abbey Terrace, Harrow Street, Charles Avenue, James Avenue and Hugh Avenue, Shiremoor, which were in an almost impassable condition, have been properly made by the Council, and the cost apportioned to the different owners.

The East Holywell Coal Company have heightened and re-roofed the houses at Office Row, East Holywell, which is a great improvement, and are now busy re-laying the back streets at Bates Cottages.

The new houses erected in the Earsdon, Backworth and Holywell Townships are mostly self-contained, of an improved type, and are provided with earth closets instead of privy ashpits.

SEWERAGE AND DRAINAGE.

The sewerage from the district, with the exception of Bates Cottages and New Backworth, is carried to the sea. At Bates Cottages new sewerage works have been erected which are working satisfactorily, thus preventing the polluting of the Seaton Burn which previously took place. The sewerage from New Backworth and Low Steads still discharges into a ditch, and ought to be attended to.

A sewer has been laid to the new houses recently built in the Backworth Township, and those at North View, South View, Duke Street and Percy Street, Shiremoor, having been re-laid, the whole are now in good order.

SCAVENGING.

The disposal of the refuse is still done by dividing the district into sections, which are let by tender to the various contractors, who must empty the ashpits and earth closets frequently. There has been an increase in the number of earth closets provided, but there are still a very large number of privy ashpits, many of them uncovered and in an insanitary condition.

DAIRIES AND COWSHEDS.

These I have inspected in company with your Sanitary Inspector. Some of the Cowsheds required lime washing. With this exception they were in good order.

SLAUGHTER HOUSES.

There are seven slaughter houses in the district. These are kept in fairly good order, but the method of removing the refuse from some of them is not satisfactory. It is

allowed to stand about too long and creates a nuisance. Proper metal carts ought to be used for the purpose.

No Bye-laws have yet been adopted for the regulation of these premises.

FACTORIES AND WORKSHOPS.

INSPECTION.—Factories, 20; Workshops, 92; total, 112.
Written Notices—One.

I am, Gentlemen,

Your obedient Servant,

TAYLOR DIXON.

Medical Officer of Health.



**To the Chairman and Members of the Earsdon
Urban District Council.**

GENTLEMEN.

I beg to submit to you my Annual Report for the year ending December 31st, 1909.

NEW BUILDINGS.

During the year plans have been presented and approved for over 200 houses, and 63 have been erected. The greater number of these are self-contained, several have water closets, the remainder have all earth closets. This is a very great improvement on the large open ashpits.

The Backworth Coal Company have erected at Duke and Percy Streets, Shiremoor, earth closets and coal houses for each tenant in place of the large uncovered ashpits so often complained about.

The East Holywell Coal Company have heightened the upper rooms of houses at Office Row, East Holywell, and erected brick coal houses in the place of wooden ones at Burn Row, East Holywell.

Acting under instructions I have in company with your Medical Officer inspected the district in connection with insanitary, back to back and single room houses.

At Tate's, Mordue's, and Hutchinson's property, Seaton Terrace, the back to back rooms have been connected and let as one tenant, and through ventilation has been provided.

At East Holywell all back to back houses have been done away with, thus giving through ventilation.

At the Low Steads, Backworth, the houses have been repaired.

At Backworth the Owners have promised not to allow the back to back houses to be re-occupied until connected to the adjoining room and let to one tenant thus giving through ventilation.

At Willin's property, New York, new windows have been fixed so as to give through ventilation, the large open ashpit and privies done away with, and earth closets erected.

Improvements have also been carried out at Boyd's, and Holm's Farm Cottage, Murton.

During the year new offices have been erected with accommodation for Clerk, Rate Collector, Surveyor, and Council Chamber, Ante Room, etc. Cost of Building, including Furnishing, £791 11s. 9d.; Land, £697 10s. 6d., there is ample land left for future extensions. The total cost was £1,489 2s. 3d.

PRIVATE STREET WORKS.

During the year the following works have been completed :—

Earsdon Road, Harrow Street, Abbey Terrace, Charles Avenue, James Avenue, and Hugh Avenue, Shiremoor, at the cost of £869 7s. 0d.

The Backworth Coal Company have completed the streets at North View, South View, and Station Road, Shiremoor, also made a start with Duke Street and Percy Street, Shiremoor, and laid cement footpaths at Northumberland Terrace and Percy Street, Backworth.

The East Holywell Coal Company have nearly completed the street works at Bates Cottages at a cost of over £800.

The approach to Havelock Place, Backworth, has been put in good order.

Church Pit Road.—This road has been completed. The total length of the road is 1,382 yards, and the cost has been £1,087 8s. 5d.

The Duke of Northumberland contributed £150 and gave the necessary land.

The East Holywell and Backworth Coal Company gave the penning which exceeded 2,000 loads. This road is a very great improvement and a convenience to the inhabitants of East Holywell.

During the year 200 yards kerb and asphalt footpaths have been laid on the Backworth Roads.

SEWERAGE.

The main 18-inch sea outfall sewer is working satisfactory.

A 9-inch cast iron sewer has been laid under the North Eastern Railway, at West Holywell, for the Backworth Building Estate, at a cost of £78.

A 6-inch sewer has been laid for the drainage of Castle Farm and Buildings at Backworth at a cost of £41 2s. 8d.

The old 12-inch sewers at North and South View, Shiremoor, have been taken up and new 9-inch sewers laid with proper manholes.

The two old 12-inch sewers at Duke Street and Percy Street, Shiremoor, have been taken up and a 9-inch sewer laid up the new back street at that place, with separate branch drains and proper gullies for each house.

The old sewer at Wallace Terrace, Holywell, has also been taken up and relaid with manholes.

New sewerage works have been erected at Bates Cottages to deal with the sewage from Seaton Terrace

district, they consist of grit chamber, two open septic tanks and continuous tilter, and the cost has been £240. The works have been in operation over six months, and a good effluent is obtained.

All the sewers in the district are periodically flushed by automatic flushing tanks erected at the head of the sewers.

WATER SUPPLY.

The District is supplied by water from the Newcastle and Gateshead Water Company. The water is bought in bulk and distributed by the Council.

Eighty-four new service pipes have been laid during the year.

The water has been taken to Telford's Cottage, East Holywell, and Dairy Houses, West Holywell, and laid into each house.

The water mains have been extended at Melrose Avenue, South Street, Wallace Terrace, and Laurel Terrace.

There are still a few tenants who carry water from the well at Holywell Village.

The consumption of water for domestic purposes in the different Townships has been as follows:—

TOWNSHIP.	Estimated Population.	Gallons.	Average Consumption per head per day.
Earsdon ...	3,630 ...	14,509,000 ...	10·9 galls.
Holywell ...	3,540 ...	7,735,000 ...	5·9 „
Backworth	2,290 ...	6,030,000 ...	7·0 „
Murton ...	1,040 ...	3,318,000 ...	8·2 „
TOTAL ...		<u>31,592,000</u>	gallons.

The average consumption of water for the whole district has been 8·2 gallons per head per day, as against 7·4 gallons last year.

The total consumption of water for all purposes in the district has been 39,419,000 gallons, as against 33,729,000 gallons last year.

SLAUGHTER HOUSES.

There are seven slaughter houses in the district. These are inspected from time to time, they are kept in fairly good order.

Byelaws ought to be made for the control of these premises.

DAIRIES AND COWSHEDS.

These I have inspected with your Medical Officer from time to time. I have served notice on several occupiers in regard to lime washing, and removal of manure, etc.

INFECTIOUS DISEASES.

All cases of infectious disease reported are visited, and the surroundings inspected, drains tested, the Hospitals are offered in all cases, also where possible all houses are fumigated.

Disinfectants are supplied to all cases. A new Hospital has been erected at Scaffold Hill for 20 beds, and nurses' apartments.

FACTORY AND WORKSHOPS.

These are inspected periodically, only one notice has been served to provide extra W.C. accommodation.

SCAVENGING.

The scavenging and disposal of refuse in the district is carried out by contract. This time for one year only. In some of the districts it has not been satisfactorily attended to.

There are fourteen contracts, the district being divided into fourteen sections.

The cost of the scavenging in the different sections per house per annum is as follows :—

Earsdon Township.

		Per house per annum.		Cost				
		No. of Houses.		s.	d.	£	s.	d.
Earsdon Village	...	138	...	7	9 $\frac{3}{4}$	...	53	18 0
Bertram Place	...	138	...	7	4 $\frac{3}{4}$	...	51	0 0
Earsdon Road	...	210	...	6	8	...	69	10 0
Earsdon Square	...	56	...	5	11 $\frac{3}{4}$	...	16	15 0
Shiremoor	...	226	...	7	5 $\frac{3}{4}$	...	84	10 0
Total Cost						£275	13	0

Backworth Township.

Backworth Row	...	211	...	6	5 $\frac{1}{4}$	...	68	0 0
Backworth Village	...	40	...	5	6	...	11	0 0
C. Pit and Low Steads	...	124	...	5	9 $\frac{3}{4}$	...	36	0 0
Total Cost						£115	0	0

Holywell Township.

Seaton Terrace	...	171	...	8	2 $\frac{1}{4}$	...	70	0 0
Bates Cottages	...	193	...	5	9 $\frac{1}{2}$	...	56	0 0
Holywell Village	...	38	...	5	3	...	10	0 0
East Holywell	...	99	...	5	8	...	28	0 0
West Holywell	...	109	...	5	1 $\frac{3}{4}$	...	28	0 0
Total Cost						£192	0	0

Murton Township.

Murton and New York	210	...	7	0 $\frac{1}{2}$	...	74	0 0
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The total cost of scavenging for the district was £656 13s. 0d., which is a cost of $1/3$ per head of the population.

The cost last year was £611 12s. 0d., which was at the rate of $1/3\frac{1}{2}$ per head of the population.

LIGHTING.

The main roads in the district are lighted by electricity, power being supplied by the Backworth Coal Company.

The total number of units used was 5,800, as against 5,875 units last year.

The main road between Wheat Sheaf Hotel and Power Station, New York, has been lighted by 12 extra gas lamps, making a total of 48 gas lamps in the Murton Parish.

RECOMMENDATIONS.

Byelaws for the keeping of animals.

Byelaws for slaughter houses.

Better provision in case of fire.

Water laid on to every house.

All uncovered ashpits done away with, and proper water closets or earth closets built.

I am, Gentlemen,

Your obedient servant,

J. R. MACMILLEN.



